	Application No.	Applicant(s)		
Notice of Allowability	10/657,010	ACHIWA ET AL.	ACHIWA ET AŁ.	
	Examiner	Art Unit		
	Paul A Baker	2188		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED) or other appropriate comr IGHTS. This application is 3 and MPEP 1308.	in this application. If not include nunication will be mailed in due	ed course. THIS	
1. This communication is responsive to <u>ammendment filed 2</u>	8 March 2005.			
2. The allowed claim(s) is/are <u>17,19-22 and 24</u> .				
3. The drawings filed on <u>05 September 2003</u> are accepted by	y the Examiner.			
4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the:) or (f).		
1. Certified copies of the priority documents have been received. 2. Manual of the priority documents have been received.				
 2. Certified copies of the priority documents have been received in Application No. <u>09/854125</u>. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the 				
International Bureau (PCT Rule 17.2(a)).	cuments nave been receiv	ed in this national stage applica	tion from the	
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to fi ∕IENT of this application.	le a reply complying with the red	quirements	
5. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached Exes reason(s) why the oath	KAMINER'S AMENDMENT or Nor declaration is deficient.	OTICE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.			
(a) \square including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date				
ldentifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the header according to 37 C	the drawings in the front (not the FR 1.121(d).	back) of	
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATER FOR THE DEPOSIT OF B	TERIAL must be submitted. N IOLOGICAL MATERIAL.	Note the	
Attachmont/-1				
Attachment(s) 1. Notice of References Cited (PTO-892)	5. ☐ Notice of I	Informal Patent Application (PTC	D-152)	
2. \square Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview	Summary (PTO-413),	- \- - /	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 3/04,10/04,4/05		o./Mail Date s Amendment/Comment		
4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner'	s Statement of Reasons for Allo	wance	
of Biological Material	9. 🔲 Other			

Application/Control Number: 10/657,010

Art Unit: 2188

DETAILED ACTION

Terminal Disclaimer

The terminal disclaimer filed on 28 March 2005 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent No. 6,643,750 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

Claims 17, 19-22 and 24 are allowed.

In regards to claim 17, none of the prior art discloses a two storage systems each containing a disk controller and one or more disks connected via a network, wherein the first disk controller stores data received from a host computer to a first storage area within the first storage system and sends the data to the second storage system which stores the data to a third storage area within the second storage system; the first storage system receiving an instruction from the host computer and sending data stored within the first storage area at the time the instruction was received, receiving subsequent update data and storing in a manner which can be distinguished from the original data, the second disk controller storing the received data and storing within the third storage area, the first storage controller sending a second instruction to the second disk controller and sending the updated data to the second controller whereupon the second controller stores the received data from the third storage area to a fourth storage area in the second storage system such that the updated data can be

Application/Control Number: 10/657,010

Art Unit: 2188

distinguished from the original data in combination with the other specified claim limitations.

Claims 19-22 are allowed as being dependent upon claim 17.

In regards to claim 24, none of the prior art discloses a first storage system comprising of a disk controller and one or more disks, wherein the controller stores data received from a host computer and send the data to a second storage system, after receipt of a first instruction from the host computer the disk controller sends data stored within the first storage area at the time of the instruction to the second storage system, receives further updated data and stores the data in a manner that the data can be distinguished from the original data, wherein the disk controller stores the updated data to the first storage area if the original data was already sent to the second storage system and storing to a second storage area if the original data has not been sent to the second storage system in combination with the other specified claim limitations.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul A. Baker whose telephone number is (571)272-4203. The examiner can normally be reached on M-F 10am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mano Padmanabhan can be reached on (571)272-4210. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MANO PADMANABHAN SUPERVISORY PATENT EXAMINER

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